

# Daily GLOWBUGS

## Digest: V1 #56

via AB4EL Web Digests @ SunSITE

Purpose: building and operating vacuum tube-based QRP rigs

[AB4EL Ham Radio Homepage @ SunSITE](#)

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%%%% GlowBugs %%%%% GlowBugs %%%%% GlowBugs %%%%% GlowBugs %%%%%

**Subject: glowbugs V1 #56**

**glowbugs**

**Thursday, June 12 1997**

**Volume 01 : Number 056**

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Date: Wed, 11 Jun 1997 21:17:27 -0400 (EDT)

From: leeboo@ct.net (Leon Wiltsey)

Subject: WTB HEADSET

>To gb

>From: leeboo@ct.net (Leon Wiltsey)

>Subject: WTB HEADSET

>Cc:

>Bcc:

>X-Attachments:

>

>hI Gang

>

>looking for a headset 2k ohms or better,

>cant buy anytrhing but hifi stereo stuff here.

>Dont need to be pretty just working ok.

>

THANK THE LORD FOR ALL YOU HAVE

68 yr old semidisabled senior

(stroke got my balance & hand to eye coordination)

ham agn as KF4RCL TECK+ (MUCH HAPPINESS)

BUILD MOST OF MY STATION EQUIP

SUB.BA & GB-- NO SOLID STATE

Leon B Wiltsey (Lee)

4600 Lake Haven BLVD.

Sebring, Fl. 33872

SEBRING FL. WHERE THERE IS NO QRM

FROM ANYTHING LOCAL

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Date: 12 Jun 1997 08:46:47 -0400  
**From:** "David McGee" <david\_mcgee@maca.sarnoff.com>  
**Subject:** need info on mystery tube

I have acquired a Siemens RS1002A power tube. It appears to be a power tetrode and looks a lot like a 4-400. Any glowbuggers have a Siemens data book?

TNX ES 73  
Dave W2KV

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Date: Thu, 12 Jun 1997 17:30:41 +0000  
**From:** Sandy W5TVW <ebjr@worldnet.att.net>  
**Subject:** FT: Bud wavemeter, EICO dipper

Bud WM-78 'double ended' wavemeter for trade to anyone out there collecting wavemeters. I'm looking for a Triplett or a Simpson wavemeter for my 'collection'

Also have an EICO 710 Grid dip meter complete with coils. It's old, it works.  
Condition about a 5 or 6. It is well worn but fully functional. Trade for the big metal storage box for the Millen Grid Dip meter/coils, or ????

73,  
E. V. Sandy Blaize, W5TVW  
"Boat Anchors collected, restored, repaired, traded and used!"  
417 Ridgewood Drive,  
Metairie, LA., 70001  
ebjr@worldnet.att.net  
\*\*Looking for: 860 tubes, WL-460 tubes\*\*  
\*\*Butternut HF2V antenna, G-R test gear.....\*\*\*

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Date: Thu, 12 Jun 1997 17:30:38 +0000  
**From:** Sandy W5TVW <ebjr@worldnet.att.net>  
**Subject:** SX-71 problem

Hello Glowbuggers/anchorites,

Anybody out there ever have any troubles with oscillation of the RF stage

in the SX-71 as the gain is advanced to near maximum? (About 80% of full on).

I finally got everything pretty much going in this beast. Still have some minor problems, but this is a major pain. Tried the common causes like replacing/bridging existing by-pass caps, checking resistor values, adding grounds etc. Has anyone run into this problem during restoration?

I suspect next possibly a bad "RF ground" somewhere. Hallicrafters rivited the sockets in and included some ground lugs. Beginning to think this might be a problem although the meter shows a solid ground. Seems like I've heard of troubles like this

in the Collins 75A-4, although they used an aluminium chassis, which invites

subtle

corrosion under lugs over so many years.

Idea anyone who has "Been thru the s..." on this?

Looks like it will be a pretty decent receiver if I can get it  
straightened out.

73,

E. V. Sandy Blaize, W5TVW

"Boat Anchors collected, restored, repaired, traded and used!"

417 Ridgewood Drive,

Metairie, LA., 70001

ebjr@worldnet.att.net

\*\*Looking for: 860 tubes, WL-460 tubes\*\*

\*\*Butternut HF2V antenna, G-R test gear.....\*\*\*

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Date: Thu, 12 Jun 1997 14:40:27 -0500 (CDT)

From: Spencer Petri <spetri@e-tex.com>

Subject: NOS HV Electrolytics FS. (LONG)

One lot of 102 caps FS. Will take offers until 00:00Z 18 June. Each 1 is  
one cap.

Sprague Twist-Lok

250/200/30 MFd--165/150/150 V 1  
30/30/30 -- 150/150/150 1  
30/20/160/40--450/450/250/150 111111111111111  
10/140/100/20--450/350/300/300 111  
20/15/20/20--450/450/25/25 111  
50/20/4/40--450/450/150/25 11  
40/30/20/20--400/350/350/350 11111  
290/30/10/100--150/150/150/10 1  
200-300/200-300--150/150 1  
150-200/10-20--350/350 11  
100-150/50-100--150/50 1  
60-100/40-60--350/350 11  
50-120/40-60/20-40/2-5--400/400/400/400 1  
470-820/28-47--160/160 1  
80-150/50-100--250/250 1  
80-120/70-100/20-40/2-5--400/400/400/400 111  
280-/5-10--100/300 1  
125-200/40/60--350/350 1  
20-40/150-250/450/450 1  
120/40/40--350/350/350 1  
40/30/20--450/450/450 11  
125/5/100--350/150/10 1  
50-80/90-150/70-120/50-100--450/350/350/50 1  
50/20/4--450/450/350 111  
20/20/20--450/450/450 1  
200/200/60/30--175/175/175/175 111111111  
40/80/10--475/450/450 11  
70-100/30-5-/10-20/50-100--450/450/450/50 1  
250/200/40/10--200/200/200/200 11

100/80/60/50--200/200/200/25 1  
 80/450/5/60--200/200/175/175 11  
 80/40/40/40--150/150/150/25 11  
 160/450/60/5--200/200/200/200 1  
 200/200/200/30--174/175/175/175 1  
 50/50/50/20--150/150/150/25 1  
 20/20/20/20--250/250/250/250 1  
 250/200/10/10--175/175/150/150 1  
 80/450/150/5--200/200/175/175 1  
 250/200/40/10--250/250/250/250 11  
 850/400/100/4--16/16/4/11.5 1  
 20/10/5--475/350/150 1  
 10/4/20--400/350/25 1  
 30/10/10--450/450/450 1  
 50/20/4--450/450/450 1  
 10/4/20--350/350/50 1  
 400/40/25--350/350/350 1  
 60/20/40--450/450/350 1  
 20/20/1000--350/350/15 1  
 10/80/80--400/450/450 1  
 20/20/20--450/450/25 1  
 20/20/20--350/300/25 1  
 50/160/50--450/250/50 1  
 150/60/200--300/200/150 11  
 50/180/300--175/175/175 1  
 100/10/80--400/400/350 1  
 150/100--300/150 1

Some have the aluminum mounting plate and the phenolic insulating mounting plate.

ArcoLytic

80/80/100--400/200/50 11

Shipping by buyer.

Thanks.

73 de Pete WA5JCI

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 EM-21--6 Mtr -- WAS #490, WAC CW, DXCC/91 Countries, VUCC #361/618 Grids  
 \*\*\*\*\*  
 2 Mtr -- 36 States -- VUCC #346/183 Grids  
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Date: Thu, 12 Jun 1997 20:15:43 -0500 (CDT)  
 From: Kevin Pease <hamradio@mm1001.theporch.com>  
 Subject: Re: SX-71 problem

On Thu, 12 Jun 1997, Sandy W5TVW wrote:

> Hello Glowbuggers/anchorites,  
>  
> Anybody out there ever have any troubles with oscillation of the RF  
> stage  
> in the SX-71 as the gain is advanced to near maximum? (About 80% of full on).

I have never had an SX-71 but I ran into a problem like that in my home brew glow bug receiver here. The RF amplifier would oscillate as the capacitance on the varriable was reduced. I spent days trying to figure that out. It turns out that there was no shield between the sections of the varriable that I was useing so as the capacitance was reduced the lower plates of the capacitor could see each other and oscilation resulted.

It might be that you have bad connections on the shields in your varriable capacitor or possibly bad ground connections on the wipers that connect the shaft to those shields.

I solved the problem here by building a shield and placeing it between the sections of the capacitor and eliminating 95 percent of the problem. I still had to bias the amplifier a little high to make it stable but it now works super and my little glowbug receiver is not a hot one.

Kevin Pease  
WB0JZG  
Mount Juliet, TN.

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End of glowbugs V1 #56  
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Created by **Steve Modena, AB4EL**  
Comments and suggestions to **modena@SunSITE.unc.edu**

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